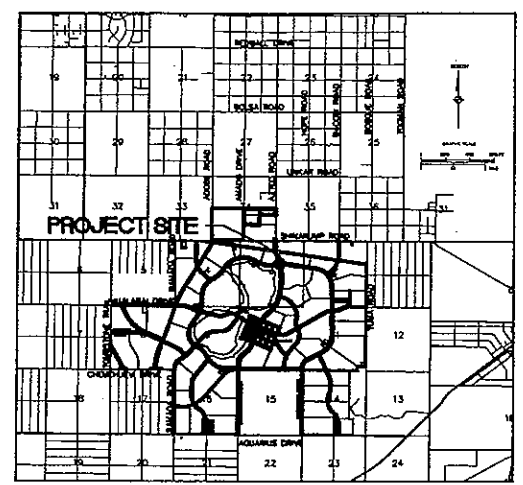
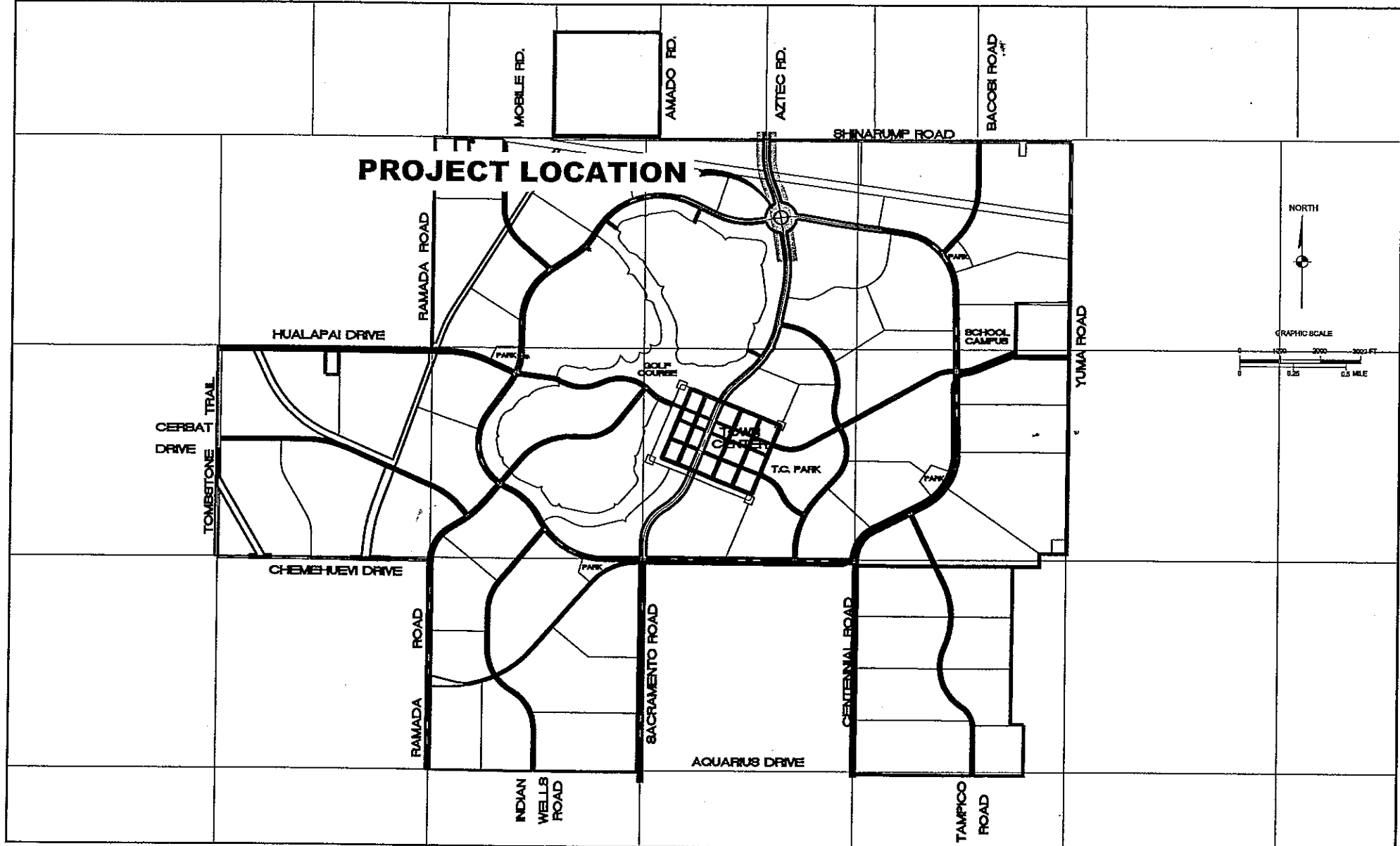


AZTEC ROAD SECTION 1 IMPROVEMENTS AT GOLDEN VALLEY RANCH FOR RHODES HOMES ARIZONA, LLC



VICINITY MAP

ENGINEERS ESTIMATED QUANTITIES

STORM DRAIN

ITEM	QUANTITY
30" RCP STORM DRAIN	510 LF
SCUPPER	0 EA
CURB AND GRATE INLET	0 EA
72" DIA. STORM DRAIN MANHOLE	1 EA
4 FT x 4 FT PRECAST CONCRETE BOX CULVERT	320 LF

WATER

ITEM	QUANTITY
24" C900 PVC WATER LINE	3,314 LF
24" BUTTERFLY VALVE	6 EA
24" x 24" x 24" TEE	4 EA
24" x 24" x 8" TEE	0 EA
24" x 24" x 6" TEE	3 EA
24" x 24" x 8" x 8" CROSS	2 EA
24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	8 EA
24" 45° BEND	0 EA
24" 22.5° BEND	0 EA
8" C900 PVC WATER LINE	0 LF
8" GATE VALVE	0 EA
8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	0 EA
8" 22.5° BEND	0 EA
6" C900 PVC WATER LINE	124 LF
6" GATE VALVE	3 EA
6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	0 EA
FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. # 360	3 EA
2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER LINE PER CITY OF KINGMAN STD. DTL. # 344	3 EA
4" AIR VALVE	1 EA
4" PVC IRRIGATION SLEEVES	900 LF
6" IRRIGATION SLEEVES	450 LF

STREETS

ITEM	QUANTITY
A.C. PAVEMENT	30,630 SY
TYPE II AGGREGATE BASE	9,700 CY
CONCRETE CURB, TYPE A	8,069 LF
ROLL CURB & GUTTER, TYPE A	6,969 LF
SIDEWALK	20,180 SF
VALLEY GUTTER	000 SF
TRAFFIC SIGNS WITH METAL SUPPORTS	10 EA
STREET LIGHT AND POLE	000 EA
STREETLIGHT CONDUIT	000 LF
SURVEY MONUMENTS	000 EA

NOTE: QUANTITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EXACT QUANTITIES.

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UTILITIES

SEWAGE DISPOSAL:	(TO BE DETERMINED)	
WATER:	(TO BE DETERMINED)	
ELECTRICITY:	UNISOURCE ENERGY	2498 AIRWAY AVENUE (928) 681-4129
TELEPHONE:	FRONTIER COMM.	2202 STOCKTON HILL (928) 753-3000
GAS:	UNISOURCE ENERGY	2498 AIRWAY AVENUE (928) 681-4129
SOLID WASTE COLLECT:	WASTE MANAGEMENT	3250 GATLIN DRIVE (928) 718-4900
SOLID WASTE DISPOSAL:	MOHAVE COUNTY	201 N. 4TH STREET (928) 753-0723
FIRE PROTECTION:	GOLDEN VALLEY DIST.	3327 N. MAYER RD. (928) 565-3479

OWNER

SOUTH DAKOTA CONSERVANCY LLC
4730 S. FORT APACHE RD
SUITE 300
LAS VEGAS, NEVADA 89147
(702) 873-5538

DEVELOPER

RHODES HOMES ARIZONA LLC
2215 HUALAPAI MTN. RD.
SUITE H
KINGMAN, ARIZONA 86401
(928) 718-2210

ENGINEER / SURVEYOR

STANLEY CONSULTANTS, INC.
5820 S. EASTERN AVENUE
SUITE 200
LAS VEGAS, NEVADA 89119
(702) 369-9396

LEGAL DESCRIPTION

A DIVISION OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4
OF SECTION 34, TOWNSHIP 21 NORTH, RANGE 18 WEST,
GILA AND SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA

BASES OF BEARINGS

NORTH 00°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4)
OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER
MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA
COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT,
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS. M.C.S.D. "SD
35" = LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD '83)
HEIGHT 2466.568241ft (NAVD'88)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION = 2659.4681ft (NGVD '29)
CONVERSION = 2662.0141ft (NAVD '88) - 2.546 = 2659.4681ft (NGVD '29)
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY
1999 "RLS 10343", LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD &
BOLSA DRIVE.



SCALE (H) N.T.S.	SCALE (V) N.T.S.	DRAWN BY ENG	CHECKED BY MPB	DATE 3/19/06
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5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 369-9396 Fax (702) 369-9793
www.stanleyconsultants.com



RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
AZTEC ROAD SECTION 1 IMPROVEMENTS
COVER SHEET
MOHAVE COUNTY

SHEET
1 OF 18 SHEETS
SQ PROJECT #
18449.03.01

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOHAVE COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND OTHER COUNTY ADOPTED STANDARDS, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER, OR UNLESS APPROVED AS A PETITION OF EXCEPTION BY HEARING OF THE PLANNING AND ZONING COMMISSION AND THE BOARD OF SUPERVISORS.
2. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY USE PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY UNDER THE OWNERSHIP OR CONTROL OF MOHAVE COUNTY. THE COUNTY RESERVES THE RIGHT OF SUPPLEMENTAL INSPECTION OF ALL CONSTRUCTION ACTIVITIES PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY. THE CONTRACTOR SHALL NOTIFY THE COUNTY BY A COURTESY CALL PRIOR TO ENGAGING ANY MAJOR CONSTRUCTION ACTIVITIES WITHIN THE COUNTY RIGHT-OF-WAY.
3. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE COUNTY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE. REVIEW AND APPROVAL OF PLANS DOES NOT RELEASE THE DEVELOPER OR ENGINEER FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS ON SAID PLANS.
4. IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL CERTIFIED RECORD DRAWINGS (AS-BUILTS), INCLUDING ALL TEST RESULTS, HAVE BEEN SUBMITTED AND ACCEPTED BY THE COUNTY.
5. THE DEVELOPER, ANY SUCCESSORS, AND ASSIGNS, WILL HOLD THE COUNTY OF MOHAVE, ITS OFFICERS, EMPLOYEES, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF THIS DEVELOPMENT AS SHOWN HEREIN, NOW AND IN THE FUTURE, BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE FLOOD OR RAINFALL.
6. DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN ON THIS DEVELOPMENT PLAN.
7. A FLOODPLAIN USE PERMIT AND FINISHED FLOOR ELEVATION CERTIFICATE ARE REQUIRED FOR ALL PARCELS LOCATED WITHIN THE FEMA DESIGNATED AREAS OF SPECIAL FLOOD HAZARD FOR THE 100-YEAR STORM.
8. ANY RELOCATION, MODIFICATION, ETC., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY PROPOSED DEVELOPMENT SHALL BE AT NO EXPENSE TO THE COUNTY.
9. THE CONTRACTOR SHALL FOLLOW ALL BLUE STAKE LAWS AND NOTIFY BLUE STAKE (1-800-STAKE-IT), BEFORE DIGGING.
10. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AS ADOPTED AND MODIFIED BY MOHAVE COUNTY.
11. DELETERIOUS MATERIAL AS DEEMED UNSUITABLE BY THE SOILS ENGINEER FOR USE AS COMPACTED FILL SHALL BE EXCAVATED AND REMOVED FROM THE SITE.
12. WHERE SOIL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED AND OBTAIN A LETTER FROM THE OWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL. PLACEMENT OF THIS MATERIAL SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS AND PERMITS OF THE GOVERNING JURISDICTION.
13. ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2001 EDITION.
14. EXCEPT FOR THE WORK PERFORMED UNDER THE TERMS OF A FRANCHISE, OR WORK PERFORMED BY A GOVERNMENTAL AGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL WORK IS INSPECTED AND TESTED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VALID REGISTRATION IN THE STATE OF ARIZONA.
15. THE CONTRACTOR SHALL NOT GRADE ANY PARCELS WITH OUTSIDE PRIVATE OWNERSHIP UNTIL PERMISSION TO GRADE HAS BEEN GRANTED BY THE PROPERTY OWNER.
16. THE CONTRACTOR SHALL NOT GRADE ANY ARMY CORPS OF ENGINEERS (ACOE) 404 DESIGNATED WASHES UNTIL 404 PERMIT APPROVAL HAS BEEN GRANTED.
17. AN APPROVED GRADING PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATION FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
18. ALL EXCAVATION AND GRADING OPERATIONS CONDUCTED WITHIN THE COUNTY LIMITS SHALL CONTROL DUST BY WATERING. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DUST CONTROL PERMITS.

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.), AND IN ACCORDANCE WITH THE LOCAL GOVERNMENT ADMINISTRATIVE CODE, TITLE 18, CHAPTER 9, TOGETHER WITH THESE PLANS.
2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURIED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING:
BLUE STAKE _____ 1-800-STAKE-IT
AT LEAST 48 HOURS IN ADVANCE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
3. WATER/SEWER SEPARATION SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAILS 404-1 AND R18-4-502C. SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 6' HORIZONTAL.
4. CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
5. SEWER MAIN PIPE AND SERVICE SHALL BE P.V.C. SDR-35, MEETING THE REQUIREMENTS OF A.S.T.M. 3034 AND M.A.G. SECTION 745. INSTALLATION SHALL BE IN ACCORDANCE WITH A.S.T.M. STANDARD SPECIFICATIONS D2321.
6. REQUIRED MANHOLES SHALL BE CONSTRUCTED PER M.A.G. STANDARD DETAIL NO. 420.
7. TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION R18-601 AND A.A.C. R18-9-E301.D.2.1.5 AND R18-9-E301.D.1.1.1. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
8. ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200.
9. ALL MANHOLE FRAME AND COVER GRADE ADJUSTMENTS REQUIRED SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 422.
10. SHAPING OF ALL SEWER MANHOLE BOTTOMS SHALL BE PER M.A.G. STANDARD SPECIFICATIONS NO. 625.3.1.
11. ALL MANHOLES AND DROP SEWER CONNECTIONS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. SECTION 625. FOR MANHOLES WITH AN ELEVATION DROP BETWEEN INLET AND OUTLET BETWEEN 1' & 2.5' THERE SHALL BE CONSTRUCTED IN THE MANHOLE FLOOR A CONCRETE FILL/CHANNEL FROM THE INLET SIDE TO THE MANHOLE TO THE OUTLET SIDE WHICH SHALL HAVE A SLOPE AT A MINIMUM GRADE OF 2.5X TO PREVENT SOLIDS DEPOSIT. FOR A DROP IN EXCESS OF 2.5', REFER TO M.A.G. STANDARD DETAIL NO. 426.
12. ALL SEWER SERVICE CONNECTIONS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 443. NOTE: SEWER SERVICE CROSSING OF WATER MAIN WITHIN THE RIGHT OF WAY MAY REQUIRE PROTECTION PER M.A.G. STD. DET. 404.
13. SEWER CLEANOUT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 443.
14. MINIMUM DEPTH OF COVER TO THE TOP OF SEWER PIPE SHALL NOT BE LESS THAN 3 FEET PER A.A.C. R18-9-E 301.
15. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ADJUST SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY DISRUPTION OF SERVICE.
16. ALL SEWER MAINS SHALL BE PVC SDR-35 SEWER PIPE AND CONFORM WITH ASTM D-2321 STANDARD SPECIFICATIONS.
17. ALL SEWER LINE SEGMENTS SHALL BE TESTED FOR LEAKAGE AS PER ASTM (F-1417-92), REAPPROVED 1998.
18. THE CONTRACTOR SHALL ADJUST VALVES, MANHOLES, CLEANOUTS, ETC. BOTH OLD AND NEW TO FINISH PAVEMENT GRADE PER M.A.G. STANDARD DETAIL 270 AND PROVIDE ADEQUATE PROTECTION WITH FINISH PAVEMENT GRADE.
19. ALL MANHOLES SHALL BE TESTED BY FILTRATION OR VACUUM TEST A.A.C. R18-9-E301 D.3.F.
20. 100 PERCENT OF ALL SEWER MAINS NEWLY CONSTRUCTED SHALL HAVE A DEFLECTION TEST OF THE TOTAL LENGTH PER A.A.C. R18-9-E301.D.2.1
21. ALL MANHOLES LOCATED WITHIN DRAINAGE EASEMENTS SHALL HAVE WATERGAT
22. CONTRACTOR IS TO FIELD VERIFY THE ELEVATIONS OF EXISTING SEWERS AT CRITICAL POINTS OF TIE-IN AND/OR INTERCEPTION PRIOR TO PROCEEDING WITH THE BALANCE OF SEWER TRENCHING IF THE FALL BETWEEN CRITICAL POINTS IS LESS THAN THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL CEASE WORK AND NOTIFY THE OWNER IMMEDIATELY.
23. CONTRACTOR SHALL INSTALL SEWER SERVICE LINE(S) AS SHOWN ON THE PLANS. THE DEPTH OF THE SEWER SERVICE LINE(S), AT THE POINT OF TERMINATION, SHALL BE DEEP ENOUGH TO SERVICE THE ENTIRE LOT IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
24. INSTALL M.A.G. STANDARD DETECTABLE TAPE OR PLASTIC COATED (BLUE FOR WATER AND GREEN FOR SEWER) #8 WIRE FOR ALL WATER AND SEWER LINES.
25. ALL SEWER MAINS SHALL BE TESTED THE FULL LENGTH INSTALLED FOR UNIFORM 1/2" OR LESS CUMULATIVE LOSS. TESTED BY VIDEO CAMERA, OR SIMILAR METHOD APPROVED BY ADEQ, AND RECORD RESULTS.

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) AND IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 10, TOGETHER WITH THESE PLANS.
2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BUILDINGS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING:
BLUE STAKE 1-800-STAKE-IT
AT LEAST 2 WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND ALL UTILITIES AND SERVICE LINES.
3. CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
4. WATER MAIN SHALL BE PVC PIPE CLASS 150, MEETING THE REQUIREMENTS OF A.W.W.A. C-900.
5. WATER SERVICE MATERIAL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATIONS SECTION 755.
6. WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 8.
7. WATER/SEWER SEPARATION SHALL MEET THE REQUIREMENTS OF RIB-4-502C (LATEST REVISION). SEPARATION SHALL BE A MINIMUM OF VERTICAL AND 8' HORIZONTAL.
8. TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION 801. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
9. CURB STOP WITH FLUSHING PIPES SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 390, TYPE "A".
9. ALL FITTINGS FOR WATER MAINS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SECTION 752.
10. ALL THRUST BLOCKING FOR WATER MAINS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 380.
11. ALL BLOCKING FOR WATER GATE VALVES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 301.
12. PAYMENT FOR CONSTRUCTION SHALL BE MADE ON THE BASIS OF UNIT PRICE BID IN THE CONTRACT. ITEMS NOT ON THIS LIST CALLED FOR ON THE PLANS BUT NOT LISTED IN BID ITEMS SHALL BE CONSIDERED INCIDENTAL. SAID ITEMS INCLUDE BUT ARE NOT LIMITED TO: WATER LINE BLOCKING, NON-METAL, ETC. TESTING, SALVAGING MATERIAL, EXISTING UTILITIES CONNECTIONS, ETC.
13. ALL TAPPING SLEEVES, VALVES AND VALVE BOXES ON WATERLINES SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 630, AND M.A.G. STANDARD DETAIL NO. 340.
14. WATER WATER COVERS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 310. WATER WATER BOXES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 320.
15. ALL FITTINGS AND VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF FACTORIES. ALL VALVES ARE TO BE PLUMB AND HAVE STRAIGHT ALIGNMENT.
16. WATER MAIN SHALL BE TESTED IN ACCORDANCE WITH M.A.G. SECTION 610-14, AND IN ACCORDANCE WITH M.A.G. SECTION 610.14 FOR DUCTILE IRON PIPE.
17. ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200-1.
18. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.
19. ALL WATER PIPES SHALL BE LEAD FREE PER A.S.C. RIB-4-504
20. ALL MAINS SHALL BE DISINFECTED PER BULLETIN 8 AND SHALL BE WITNESSED BY A REPRESENTATIVE OF STANLEY CONSULTANTS. ALL WATER MAINS SHALL HAVE NO MORE THAN 100 PPM CHLORINE PRESENT AT THE TIME OF DISINFECTION. ALL WATER MAINS SHALL HAVE GREATER THAN 30 PPM OF CHLORINE PRESENT.
21. FINAL FLUSHING AND SAMPLING AND TESTING SHALL BE PERFORMED AND ACCEPTED PRIOR TO PLACING WATERLINES IN SERVICE AS PER M.A.G. STANDARD SPECIFICATIONS 611.45.
22. INSTALL M.A.G. STANDARD DETECTABLE TAPE OR PLASTIC COATED (BIS) FOR WATER AND GREEN FOR SEWER) #8 WIRE FOR ALL WATER AND SEWER LINES.
23. BACKFLOW PREVENTION WILL BE PROVIDED AT ALL IRRIGATION, INDUSTRIAL AND CERTAIN COMMERCIAL SERVICE POINTS IN ACCORDANCE WITH PERKINS MOUNTAIN WATER COMPANY'S BACKFLOW PREVENTION PLAN. AS THERE ARE NO SERVICE POINTS ON THIS SEGMENT OF PIPELINE, BACKFLOW PREVENTION WILL NOT BE NECESSARY. A COPY OF THIS NOTE WILL BE ADDED TO THE PLANS STATING THE REQUIREMENT.

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE UNITED STATES OF GOVERNMENTS (M.A.G.), UNLESS OTHERWISE NOTED ON THE PLANS.
2. 1. ALL DENSITY REQUIREMENTS FOR STREETS SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 301 AND M.A.G. SPECIFICATION 601 FOR ALL WATER AND SEWER TRENCHES. COMPACTION DENSITIES SHALL BE 95% TO 100% OF THE DENSITY BELOW SURFACE.
3. 2. THE EXACT LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATION AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND REPORT THE RESULTS TO THE COMPLETION OF ANY CONSTRUCTION BY CALLING:
BLUE STAKE 1-800-STAKE-IT
4. 3. AT LEAST 2 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY ENGINEER IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
5. 4. ALL BACKFILL, PAVEMENT AND SURFACE REPLACEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 225 FOR WATER AND M.A.G. STANDARD SPECIFICATION SECTION 336. ALL TRENCHES SHALL MEET OSHA REQUIREMENTS.
6. 5. ROADWAY EXCAVATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 202 AND THE UTILITY TRENCHES FOR WATER AND M.A.G. STANDARD SPECIFICATION 301 FOR SUBGRADE PREPARATION.
7. 6. CONTRACTOR SHALL REPLACE ANY INADEQUATE SUBGRADE MATERIAL WITH APPROPRIATE BACKFILL AS DIRECTED BY THE PROJECT ENGINEER.
8. 7. ALL STREET AGGREGATE BASE SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 310.
9. 8. ALL ASPHALT CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION 321.
10. 9. FOG SEAL SHALL MEET M.A.G. STANDARDS SECTION 333.
11. 10. CONCRETE CURB AND GUTTER SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL 220.
12. 11. SIDEWALKS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD SPECIFICATION 340 AND SHALL BE REPAIRED WITH M.A.G. SPECIFICATION 340.
13. 12. ALL POURED CONCRETE STRUCTURES SHALL MEET THE REQUIREMENTS OF M.A.G. STD SPECIFICATIONS, SECTION 505.
14. 13. THE EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE COUNTY ENGINEER OR AUTHORIZED REPRESENTATIVE.
15. 14. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADJUSTMENT AND PLACEMENT OF CONCRETE COLLARS, FRAMES, COVERS, AND VALVE BOXES AS NECESSARY FOR A COMPLETE JOBS AS SPECIFIED BY THE UTILITY ENGINEER.
16. 15. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED & APPROVED UNDER THIS PROPOSED PAVED AREA.
17. 16. BASE COURSE SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE COUNTY ENGINEER.
18. 17. NO JOB SHALL BE CONSIDERED COMPLETED UNTIL CURBS, PAVEMENTS AND SIDEWALKS ARE SWEEPED, CLEANED OF ALL DIRT AND DEBRIS, AND SURVEY MONUMENTS ARE INSTALLED.
19. 18. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED BY THE CONTRACTOR AND MADE AVAILABLE TO THE COUNTY.
20. 19. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY ENGINEER TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.
21. 20. EXISTING STREET AND TRAFFIC SIGNS WILL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER.
22. 21. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW TRAFFIC CONTROL SIGNS AND MARKINGS IN ACCORDANCE WITH THE 2001 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ALL CONSTRUCTION SHALL CONFORM WITH THE
SLS REPORT PREPARED BY: AMERICAN SOILS
ENGINEERING, LLC
DATED: 12 SEPTEMBER 05
PROJECT No.: 1050-GEO

FEMA FLOOD ZONE

FEMA MAP: PANEL NO. 040058 2325C
MAP UPDATE: OCT 20, 2000
FLOOD ZONE DESIGNATION: FEMA-C

AZTEC ROAD SECTION 1 DOES NOT
LIE WITHIN THE 100 YEAR FLOOD PLAIN.

1. THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND THE JOB SITE AT ALL TIMES DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE IN ADDITION TO APPLYING CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ALL LIABILITY, REAL OR LEGAL, IN CONNECTION WITH THE PERFORMANCE OF THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
2. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
3. SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION.

LEGEND

	FINISHED FLOOR ELEVATION
	PAD ELEVATION
	BASE FLOOD ELEVATION
	EXISTING GRADE CONTOUR
	MAJOR CONTOUR
	MINOR CONTOUR
	TOP OF CURB
	FINISHED GRADE
	FLOW LINE
	HIGH POINT
	CENTER LINE GRADE
	EDGE OF PAVEMENT
	TOP BACK OF CURB BEGIN RADIUS
	FUTURE GRADE
	EXISTING GRADE
	HIGH POINT SWALE DIRECTION
	CULDESAC STATIONING
	RATE & DIRECTION OF SLOPE
	SWALE
	R/W LINE
	CENTER LINE
	EXISTING EDGE OF PAVEMENT
	EDGE OF PAVEMENT
	RETAINING WALL
	PERIMETER BLOCK WALL
	EASEMENT LINE
	CURB & GUTTER
	EX. CURB & GUTTER
	GRADE BREAK
	SUBDIVISION/PHASE BOUNDARY
	DRIVEWAY
	S/W RAMP
	CUT OR FILL SLOPES
	EX. STREETLIGHT
	100 WATT LUMINAIRE
	250 WATT LUMINAIRE
	UTILITY POLE
	EXISTING SIGNAL WITH LUMINAIRE
	STREET NAME SIGN
	MISCELLANEOUS SIGN
	36" STOP SIGN
	SERVICE POINT
	PULL BOX
	EXISTING STREET LIGHT BOX
	PROPOSED BARRICADE

BC	BACK OF CURB
BCU	BACK OF CURB LINE
BM	BENCHMARK
BVC	BEGINNING OF VERTICAL
CATV	CABLE TELEVISION
C&G	CURB AND GUTTER
CE	COMMON ELEVATION
C/L OR C	CENTERLINE
CFS	CUBIC FEET PER SECOND
COMP	CORRUGATED METAL
COMM DWY	COMMERCIAL DRAINAGE
CONC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCTION
CS	CURB STAT
CU YD	CUBIC YARD
DE	DRAINAGE EASEMENT
DTG	DEPRESSED TOP OF GRADE
DTL	END OF VERTICAL CURVE
E	EDGE OF PAVEMENT
EVC	END OF VERTICAL CURVE
EP	EDGE OF PAVEMENT
EX OR EXIST	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH
FG	FINISH
FL OR E	FLOW LINE
GB	GRADE BANK
HP	HIGH POINT
INV	INVERT
L	LINE
MVC	MIDPOINT OF VERTICAL CURVE
M.A.G.	MARICOPA ASSOCIATION OF GOVERNMENTS
MH	MANHOLE
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
PRVT	PRIVATE
PC	POINT OF COMPOUND
PCC	POINT OF INTERSECTION
PI	POINT OF INTERSECTION
PL	POINT OF INTERSECTION
PBC	POINT OF BEGINNING OF CURVE
PSI	POUNDS PER SQUARE INCH
PVI	POINT OF VERTICAL INTERSECTION
PT	POINT OF TANGENCY
PUE OR P.U.E.	PUBLIC UTILITY EASEMENT
PAE	PEDESTRIAN ACCESS EASEMENT
R/W OR R.O.W.	REINFORCED CONCRETE
SD	STORM DRAIN
SL/STLT	STREET LIGHT
SS	STREET
STD	STANDARD
S/W OR SW	SANITARY SEWER
T	TELEPHONE
TC	TOP OF CURB
TSD	TO BE DETERMINED
TRANS	TRANSVERSE
(TYP)	(TYPICAL)
VC	VERTICAL CURVE
VERT	VERTICAL
VG	VALLEY GRADE
W	WATER
WM	WATER MAIN
WD	WATER DRAIN

NOTE:

ALL ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS.

EXISTING FIRE HYDRANT

PROPOSED FIRE HYDRANT

PVC WATER

PVC WATER MAIN (PUBLIC)

TEE W/VALVE

3/4" WATER METER W/ 1" WATER LATERAL

2" BLOWOFF ASSEMBLY

GATE VALVE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

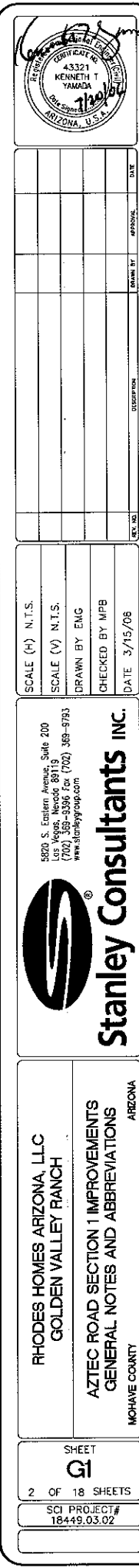
NORTH 0013'38" EAST -- THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 20 NORTH, RANGE 10 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

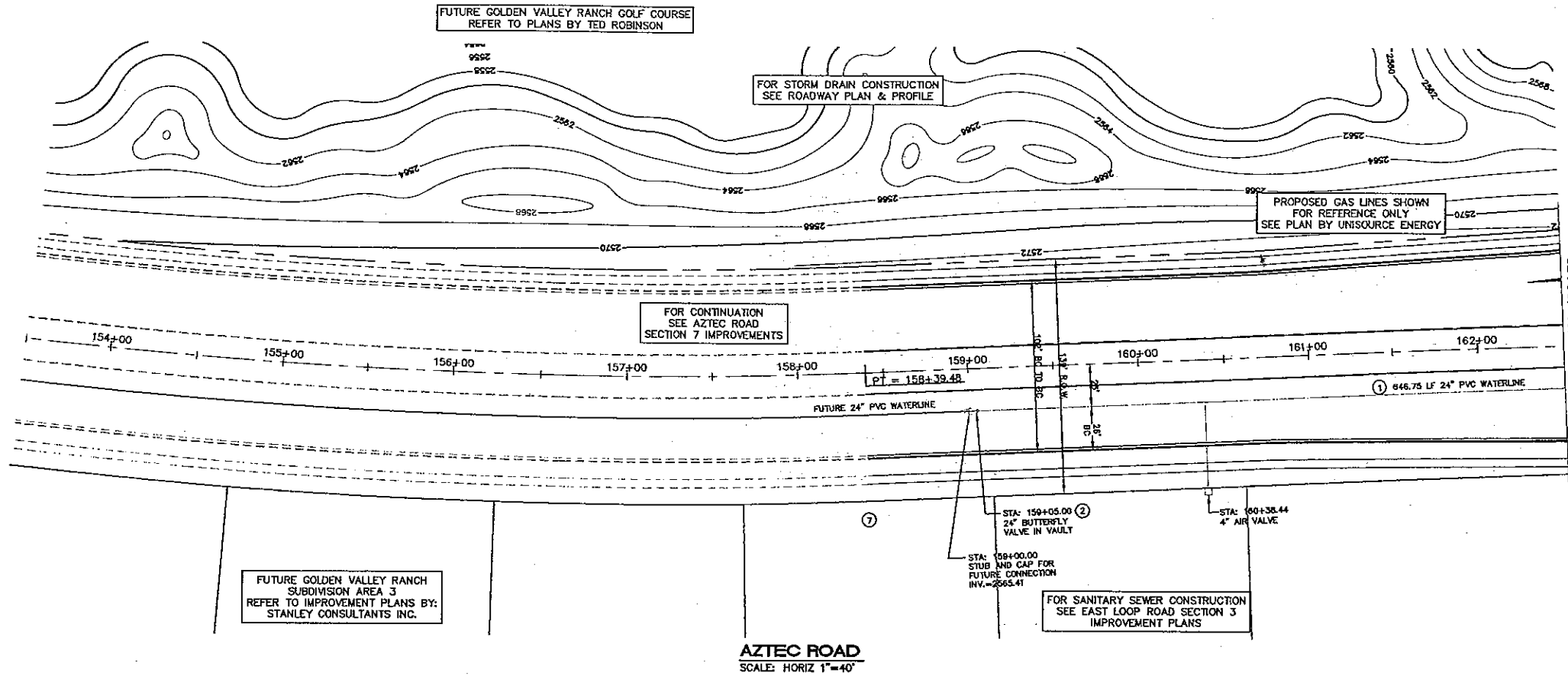
M.C.S.D. "50 32" = LATITUDE 35°09'22.70034"N,
LONGITUDE 114°09'21.57240"W (NAD '83)
HEIGHT 2562.46391ft (NAVD88)

STONE 1/4 COR 3/2 = LATITUDE 35°08'55.53385"N,
LONGITUDE 114°10'30.72281"W (NAD '83)
HEIGHT 2498.20458ft (NAVD88)

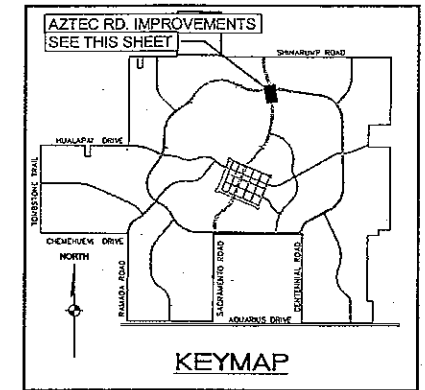
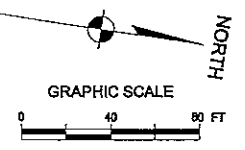
BENCHMARK # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 IFT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF
THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE
INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999
RLS 10343."





MATCHLINE STA: 162+50
SEE SHEET UP-2 FOR CONTINUATION



LEGEND

- 120 LOT NUMBER
- RIGHT OF WAY
- SUBDIVISION/UNIT BOUNDARY
- STREET LIGHT (100W HPS)
- NO. 3-1/2" PULL BOX
- SERVICE PESTAL
- P.U.E. PUBLIC UTILITY EASEMENT
- C.E. COMMON ELEMENT
- WATER**
- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45", 90" BEND
- SEWER**
- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- OFF-SITE SANITARY SEWER MANHOLE
- SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE SANITARY SEWER MAIN
- SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE 4" PVC SEWER LATERAL
- SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- STUB AND CAP
- SEWER BACK WATER VALVE
- STORM DRAIN**
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- STORM DRAIN PIPE

SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

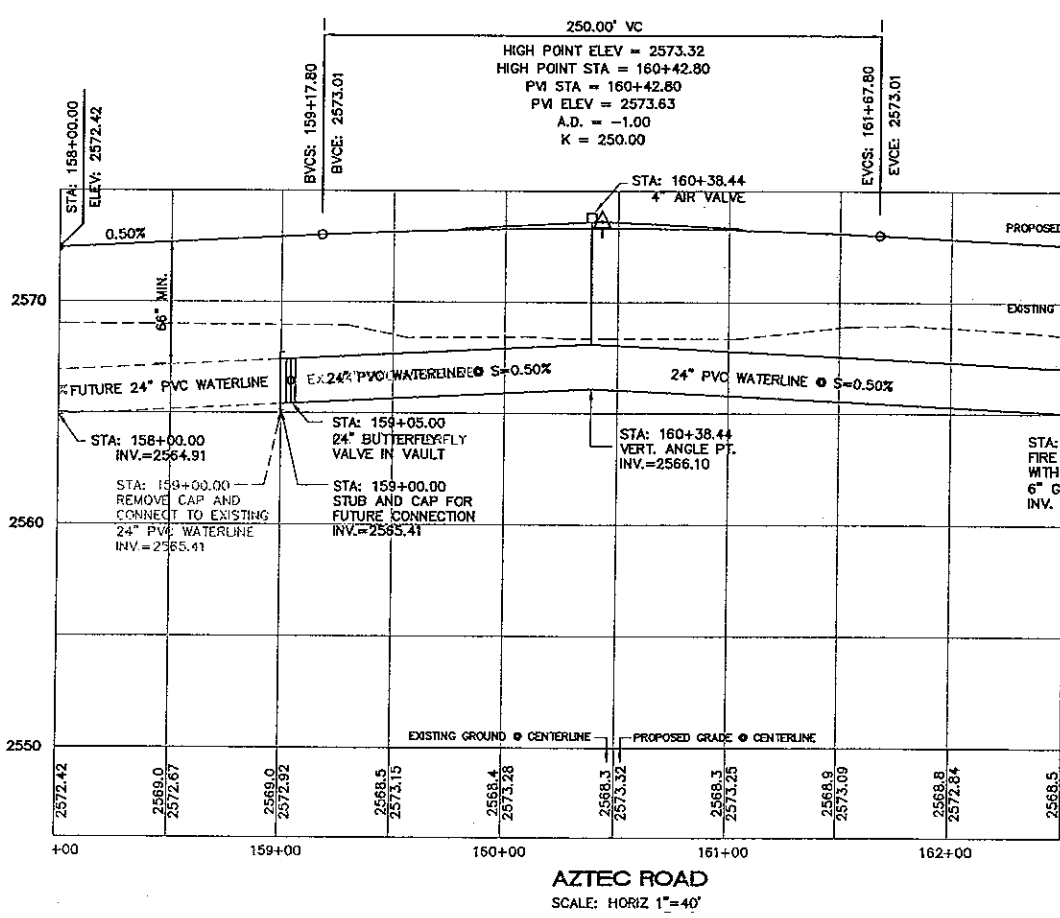
1. INSTALL 24" C900 PVC WATER LINE
2. INSTALL 24" BUTTERFLY VALVE
3. INSTALL 24" X 24" X 24" TEE
4. INSTALL 24" X 24" X 8" TEE
5. INSTALL 24" X 24" X 6" TEE
6. INSTALL 24" X 24" X 8" CROSS
7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
8. INSTALL 24" 45° BEND
9. INSTALL 24" 22.5° BEND
10. INSTALL 8" C900 PVC WATER LINE
11. INSTALL 8" GATE VALVE
12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
13. INSTALL 8" 22.5° BEND
14. INSTALL 8" C900 PVC WATER LINE
15. INSTALL 6" GATE VALVE
16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) IRRIGATION SLEEVE
20. INSTALL 12" C900 PVC WATER LINE
21. INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
2. INSTALL 18" RCP STORM DRAIN
3. INSTALL 24" RCP STORM DRAIN
4. INSTALL 27" RCP STORM DRAIN
5. INSTALL 30" RCP STORM DRAIN
6. INSTALL 42" RCP STORM DRAIN
7. INSTALL 48" RCP STORM DRAIN
8. INSTALL 54" RCP STORM DRAIN
9. INSTALL MOD. TYPE 'C' STORM DRAIN INLET SEE DETAIL ON SHEET D12 AND D17 FOR PROFILE
10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14
11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2' VERTICAL SEPARATION WITH C.I.M. 10 FEET HORIZONTALLY EACH WAY.

AZTEC ROAD
SCALE: HORIZ 1"=40'



BASE OF BEARING

NORTH 00°33'39" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" = LATITUDE 35°09'22.70034"N, LONGITUDE 114°09'21.57240"W (NAD '83) HEIGHT 2562.483911ft. (NAVD'83)

STONE 1/4 COR 3/2 = LATITUDE 35°08'55.53385"N, LONGITUDE 114°07'30.72281"W (NAD '83) HEIGHT 2498.204581ft. (NAVD'83)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION= 2590.24273 FT (NAVD '80)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R. 18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343"

DISCLAIMER NOTE

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PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 3-31-06

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RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

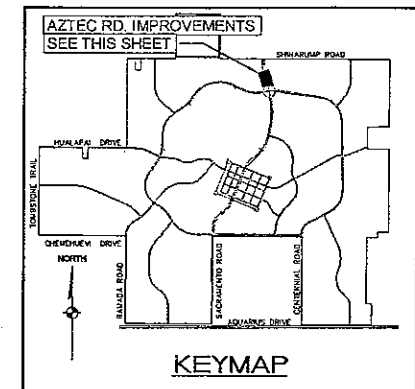
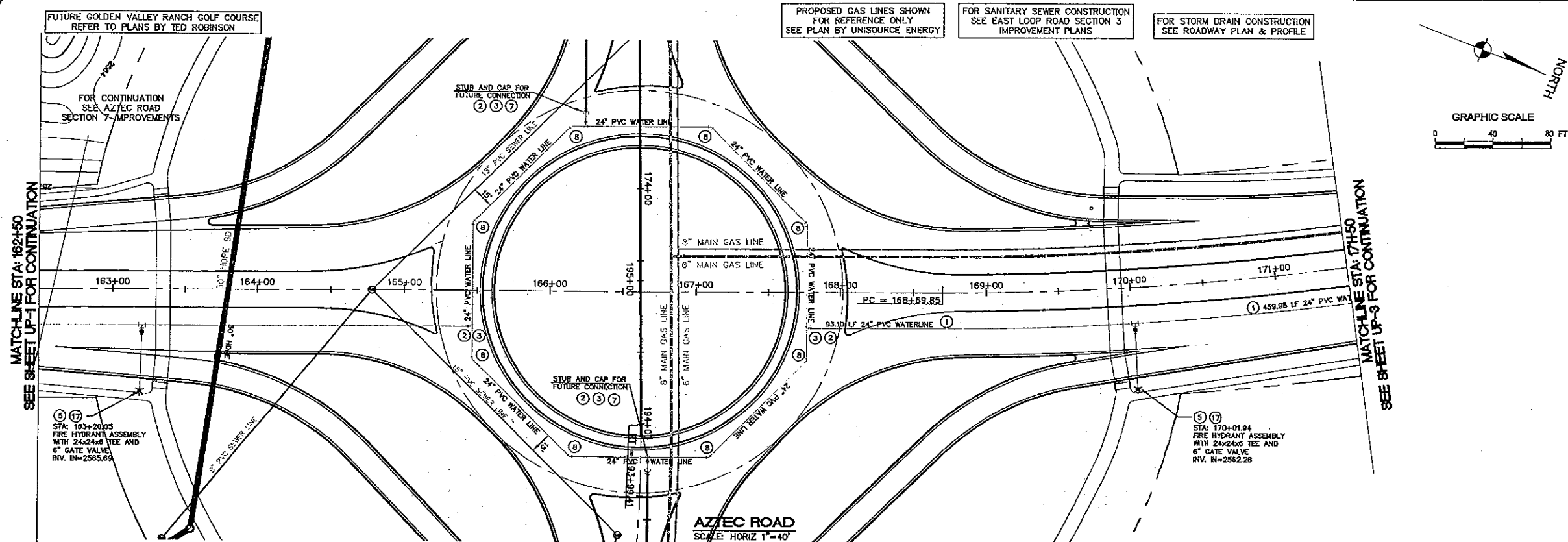
AZTEC ROAD SECTION 1 IMPROVEMENTS
UTILITY PLAN AND PROFILE

MOHAVE COUNTY ARIZONA



SHEET
UP-1

9 OF 18 SHEETS









SCI PROJECT#
18449.03.01



LEGEND

120	LOT NUMBER
-----	RIGHT OF WAY
-----	SUBDIVISION/UNIT BOUNDARY
-----	STREET LIGHT (100W HPS)
	NO. 3-1/2" PULL BOX
	SERVICE PEDESTAL
P.U.E.	PUBLIC UTILITY EASEMENT
C.E.	COMMON ELEMENT

WATER

	WATER MAIN
	3/4" WATER METER
	W/ 1" COPPER WATER LATERAL
	FIRE HYDRANT ASSEMBLY
	TEE W/ VALVE
	2" BLOWOFF ASSEMBLY
	GATE VALVE OR BUTTERFLY VALVE
	11 1/4", 22 1/2", 45", 90" BEND

BEVER

⑤



 SANITARY SEWER MANHOLE
 SANITARY SEWER MAIN
 4" PVC SEWER LATERAL

 ⑥
 OFF-SITE SANITARY SEWER MANHOLE
 SEE PHASE 4 IMPROVEMENT PLANS BY S.C.I.
 OFF-SITE SANITARY SEWER MAIN
 SEE PHASE 4 IMPROVEMENT PLANS BY S.C.I.

 ⑦
 OFF-SITE 4" PVC SEWER LATERAL
 SEE PHASE 4 IMPROVEMENT PLANS BY S.C.I.

 E
 STUB AND CAP
 (SW)
 SEWER BACK WATER VALVE

STORM DRAIN

	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	STORM DRAIN PIPE

BASIS OF BEARINGS

NORTH 00°13'38" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

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LONGITUDE 114°10'30.72281"W (NAD '83)
HEIGHT 2490.20450M (NAVD'88)

BENCHMARK

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ELEVATION= 2590.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF
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RLS 10343."

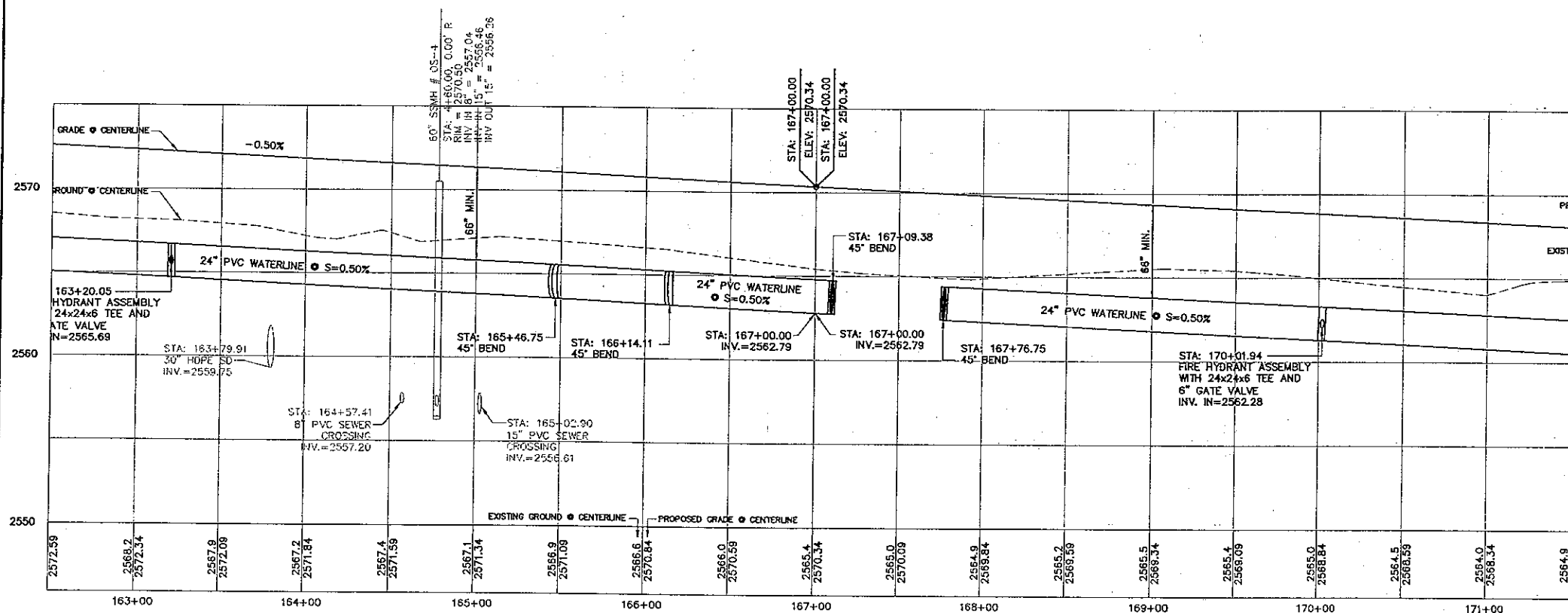
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PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 3-31-06



AZTEC ROAD
SCALE: HORIZ 1"=40'

SEWER CONSTRUCTION NOTES 2570

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

- ① INSTALL 24" C900 PVC WATER LINE
- ② INSTALL 24" BUTTERFLY VALVE
- ③ INSTALL 24" X 24" X 24" TEE
- ④ INSTALL 24" X 24" X 8" TEE 2560
- ⑤ INSTALL 24" X 24" X 8" TEE
- ⑥ INSTALL 24" X 24" X 8" B CROSS
- ⑦ INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑧ INSTALL 24" 45° BEND
- ⑨ INSTALL 24" 22.5° BEND
- ⑩ INSTALL 8" C900 PVC WATER LINE
- ⑪ INSTALL 8" GATE VALVE
- ⑫ INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑬ INSTALL 8" 22.5° BEND
- ⑭ INSTALL 8" C900 PVC WATER LINE
- ⑮ INSTALL 8" GATE VALVE 2550
- ⑯ INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑰ INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
- ⑱ INSTALL 2" COPPER WATER LATERAL W/ BOLT FOR BUTTERFLY VALVE WATER PER CITY OF KINGMAN STD. DTL. NO. 344
- ⑲ INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 8" IRRIGATION SLEEVE
- ⑳ INSTALL 12" C900 PVC WATER LINE
- ㉑ INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

- ① INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
- ② INSTALL 18" ROP STORM DRAIN
- ③ INSTALL 24" ROP STORM DRAIN
- ④ INSTALL 27" ROP STORM DRAIN
- ⑤ INSTALL 30" ROP STORM DRAIN
- ⑥ INSTALL 42" ROP STORM DRAIN
- ⑦ INSTALL 48" ROP STORM DRAIN
- ⑧ INSTALL 54" ROP STORM DRAIN
- ⑨ INSTALL MOD. TYPE "B" STORM DRAIN INLET
SEE DETAIL ON SHEET D12 AND D17 FOR PROFILE
- ⑩ CONSTRUCT STORM DRAIN CROSSING SEWER PER
DETAIL ON SHEET D14
- ⑪ CONSTRUCT WATER AND SEWER CROSSING PER
M.A.G. STANDARD DETAIL NO. 581 WITH MINIMUM
VERTICAL SEPARATION WITH CLIMATE TO FEET
HORIZONTALLY EACH WAY.

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www.slantgroup.com



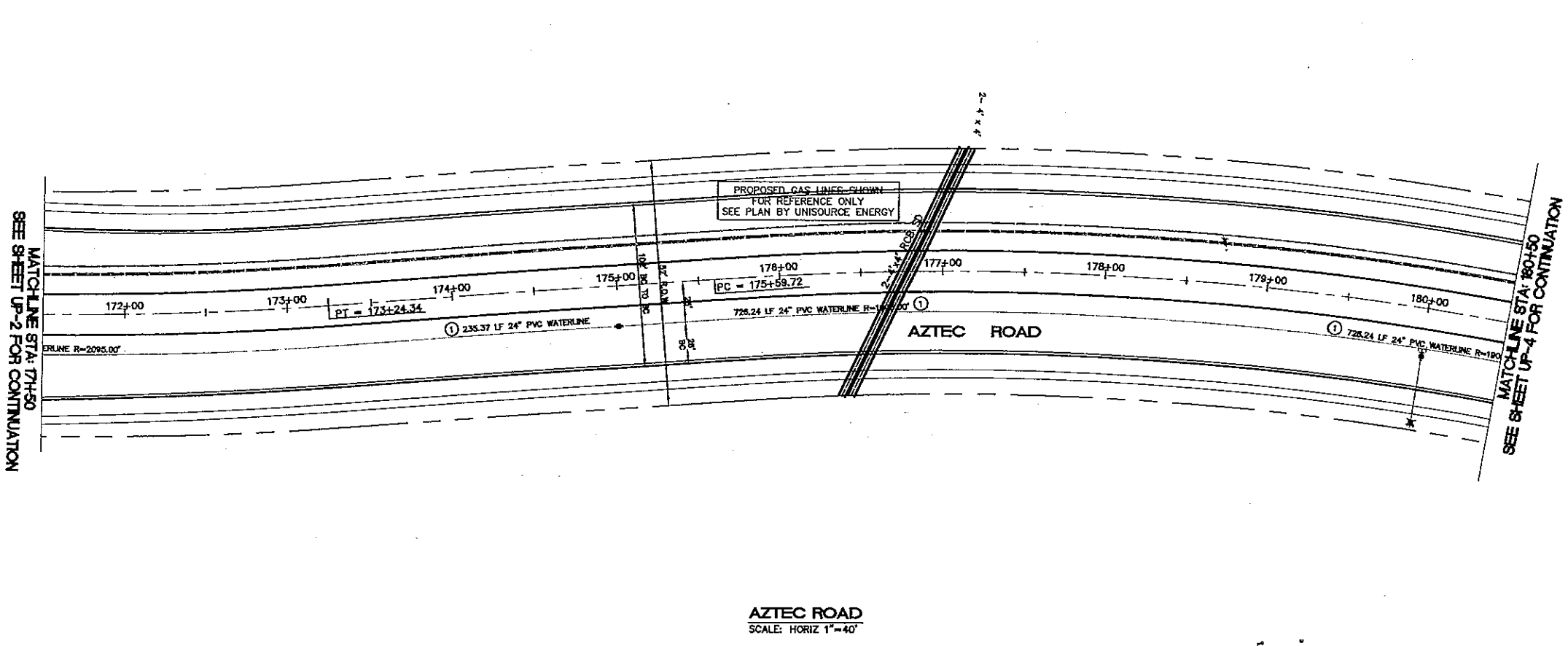
Stanley Consultants INC.

GOLDEN VALLEY RANCH

HAZTEC ROAD SECTION 1 IMPROVEMENTS
UTILITY PLAN AND PROFILES

ARIZONA

SHEET
UP-2
OF 18 SHEETS
SCI PROJECT#
18449 03 01



NORTH

GRAPHIC SCALE

0 40 80 FT

AZTEC RD. IMPROVEMENTS SEE THIS SHEET

KEYMAP

LEGEND

120 LOT NUMBER

RIGHT OF WAY

SUBDIVISION/UNIT BOUNDARY

STREET LIGHT (100W HPS)

NO. 3-1/2" PULL BOX

SERVICE PEDESTAL

P.U.E. PUBLIC UTILITY EASEMENT

C.E. COMMON ELEMENT

WATER

WATER MAIN

3/4" WATER METER

W/ 1" COPPER WATER LATERAL

FIRE HYDRANT ASSEMBLY

TEE W/ VALVE

2" BLOWOFF ASSEMBLY

GATE VALVE OR BUTTERFLY VALVE

11 1/4", 22 1/2", 45", 90" BEND

SEWER

SANITARY SEWER MANHOLE

SANITARY SEWER MAIN

4" PVC SEWER LATERAL

OFF-SITE SANITARY SEWER MANHOLE SEE PHASE A IMPROVEMENT PLANS BY S.C.I.

OFF-SITE SANITARY SEWER MAIN SEE PHASE A IMPROVEMENT PLANS BY S.C.I.

OFF-SITE 4" PVC SEWER LATERAL SEE PHASE A IMPROVEMENT PLANS BY S.C.I.

STUB AND CAP

SEWER BACK WATER VALVE

STORM DRAIN

STORM DRAIN MANHOLE

STORM DRAIN INLET

STORM DRAIN PIPE

SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420

2. INSTALL 6" PVC SEWER MAIN

3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4

4. INSTALL 6" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

1. INSTALL 24" C900 PVC WATER LINE

2. INSTALL 24" BUTTERFLY VALVE

3. INSTALL 24" X 24" X 24" TEE

4. INSTALL 24" X 24" X 8" TEE

5. INSTALL 24" X 24" X 5" TEE

6. INSTALL 24" X 24" X 8" X 8" CROSS

7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390

8. INSTALL 24" 45° BEND

9. INSTALL 24" 22.5° BEND

10. INSTALL 6" C900 PVC WATER LINE

11. INSTALL 6" GATE VALVE

12. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390

13. INSTALL 6" 22.5° BEND

14. INSTALL 6" C900 PVC WATER LINE

15. INSTALL 6" GATE VALVE

16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390

17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360

18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344

19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE

20. INSTALL 12" C900 PVC WATER LINE

21. INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522

2. INSTALL 18" RCP STORM DRAIN

3. INSTALL 24" RCP STORM DRAIN

4. INSTALL 27" RCP STORM DRAIN

5. INSTALL 30" RCP STORM DRAIN

6. INSTALL 42" RCP STORM DRAIN

7. INSTALL 48" RCP STORM DRAIN

8. INSTALL 54" RCP STORM DRAIN

9. INSTALL MOD. TYPE 1" STORM DRAIN RISET SEE DETAIL ON SHEET D17 AND D17 FOR PROFILE

10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14

11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2" VERTICAL SEPARATION WITH CL.M.A. 10 FEET HORIZONTALLY EACH WAY.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig

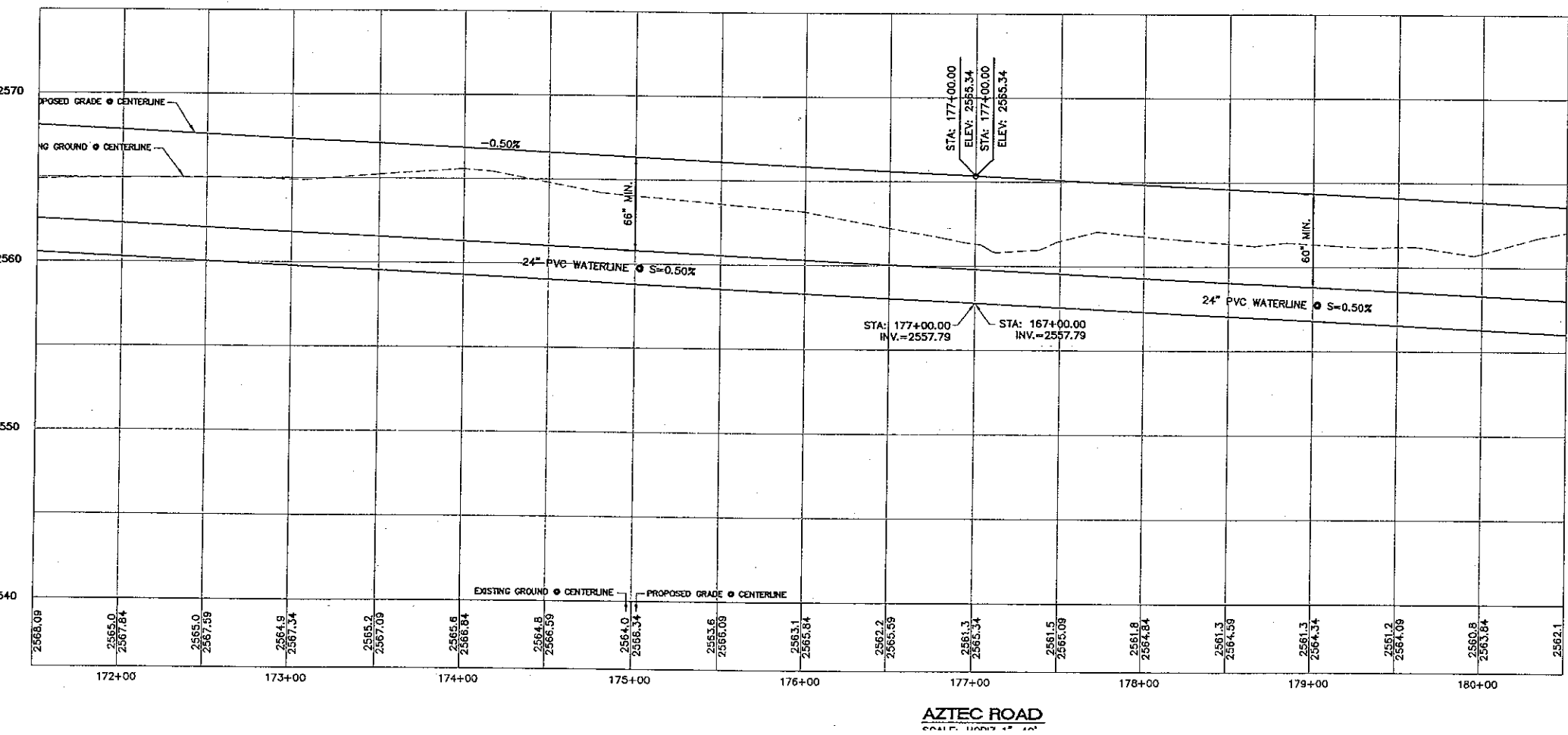
1-800-782-5348

1-800-544-2121

Call before you Overhead

1-928-753-5591

PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 3-31-06



43321 JONHEER T. YAMADA

SCALE (H) 1"=40'

SCALE (V) 1"=4'

DRAWN BY ENG

CHECKED BY MPB

DATE 3/15/06

3820 S. Golden Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 366-3395 Fax (702) 366-9793
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GOLDEN VALLEY RANCH

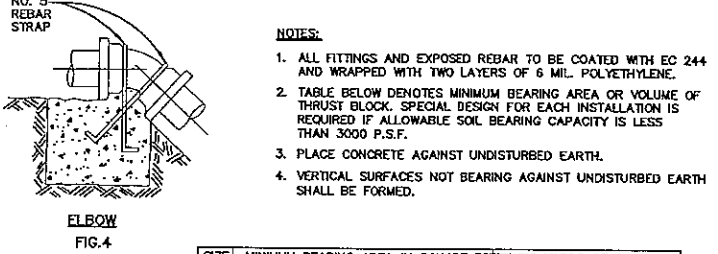
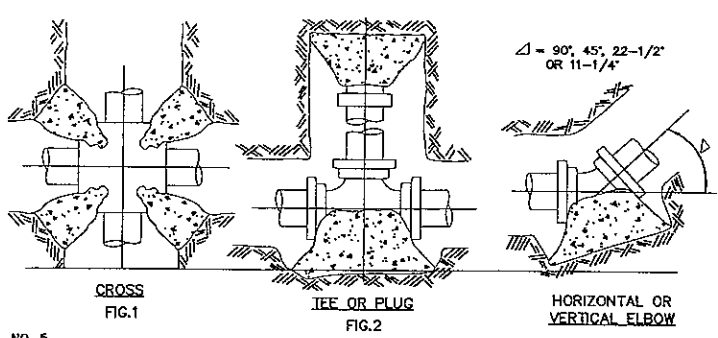
AZTEC ROAD SECTION 1 IMPROVEMENTS
UTILITY PLAN AND PROFILE

MOHAVE COUNTY

SHEET
UP-3

11 OF 18 SHEETS

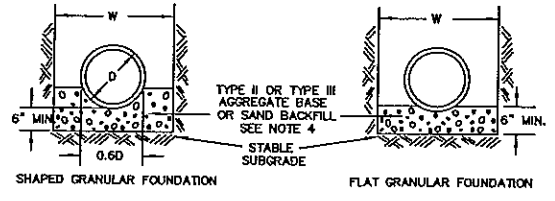
SCA PROJECT#
18449.03.01



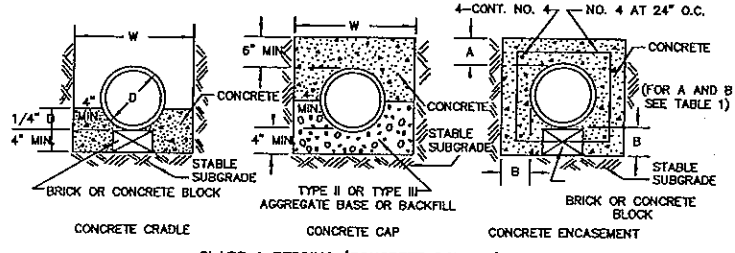
- NOTES:
1. ALL FITTINGS AND EXPOSED REBAR TO BE COATED WITH EC 244 AND WRAPPED WITH TWO LAYERS OF 6 MIL. POLYETHYLENE.
 2. TABLE BELOW DENOTES MINIMUM BEARING AREA OR VOLUME OF THRUST BLOCK. SPECIAL DESIGN FOR EACH INSTALLATION IS REQUIRED IF ALLOWABLE SOIL BEARING CAPACITY IS LESS THAN 3000 P.S.F.
 3. PLACE CONCRETE AGAINST UNDISTURBED EARTH.
 4. VERTICAL SURFACES NOT BEARING AGAINST UNDISTURBED EARTH SHALL BE FORMED.

SIZE OF PIPE	FIG. 1	FIG. 2	FIG. 3	FIG. 4
4"	2	2	1	1
6"	2	3	2	1
8"	2	5	3	2
10"	3	7	5	3
12"	3	10	8	4
14"	4	14	10	5
16"	4	20	12	7
18"	5	24	16	10
20"	5	28	20	12

A THRUST BLOCK DETAILS
DT2
PUBLIC STREET
N.T.S.



CLASS B BEDDING (NORMAL BEDDING)

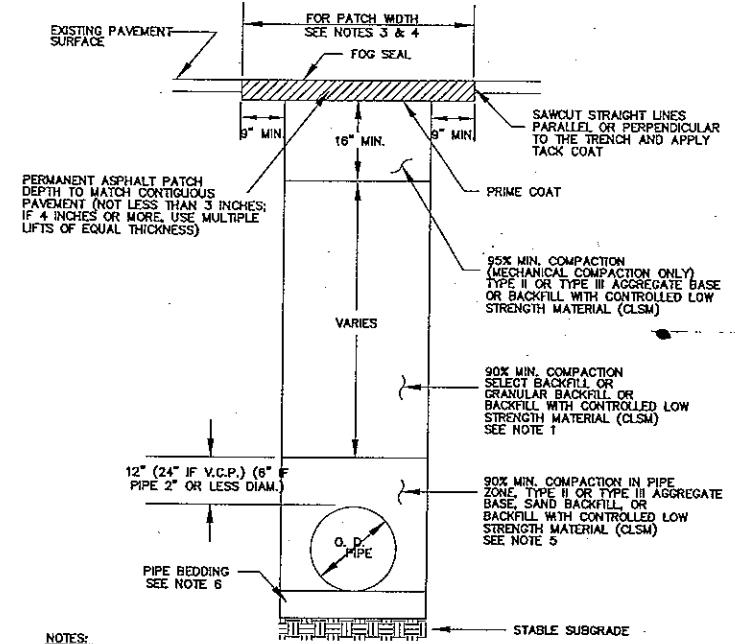


CLASS A BEDDING (CONCRETE BEDDING)

PIPE SIZE	PIPE SIZE	PIPE SIZE	PIPE SIZE	PIPE SIZE
8"	4"	4"	24"	6"
10"	4"	4"	27"	7"
12"	4"	4"	30"	8"
14"	4"	4"	33"	9"
16"	4"	4"	36"	9"
18"	5"	5"	39"	9"
21"	5"	5"	42"	10"

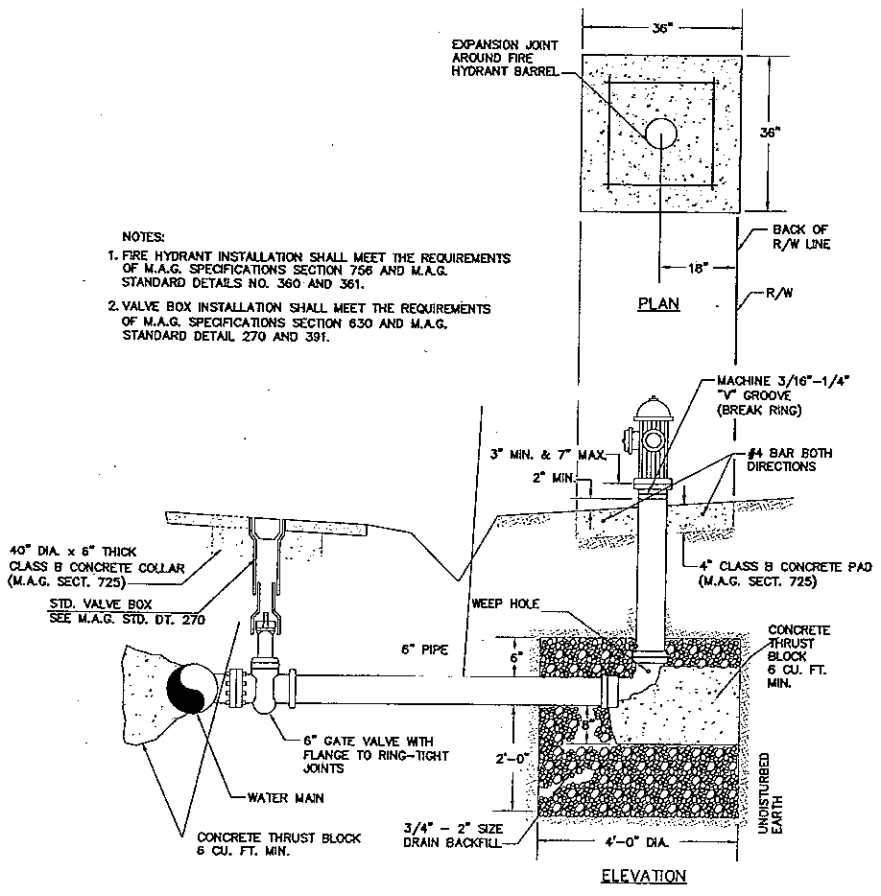
- NOTES:
1. PIPE BEDDING TO BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY. SUBGRADE SHALL CONFORM TO RESPECTIVE ENTITY REQUIREMENTS.
 2. INDICATED THICKNESS OF BEDDING MATERIAL TO BE CONSTRUCTED UNDER THE BARREL. SUBGRADE TO BE EXCAVATED TO PROVIDE 2" CLEARANCE UNDER THE BARREL.
 3. OTHER BEDDING METHODS MAY BE SPECIFIED OR APPROVED.
 4. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY.

B PIPE TRENCH BEDDING METHODS
DT2
PUBLIC STREET
N.T.S.

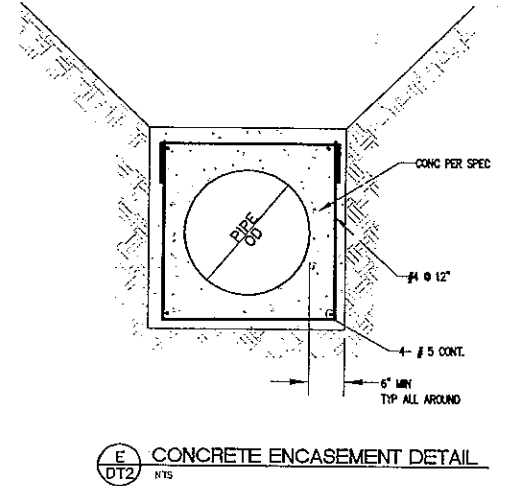


- NOTES:
1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
 2. IF SAWCUT IS WITHIN THREE FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
 3. PATCHES SHALL BE WIDTH (4 FEET MINIMUM) SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE, ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11.
 4. SAWCUTS SHALL NOT BE PLACED IN THE WHEEL PATH AREA.
 5. FOR CONDUIT TRENCHES 6 INCHES WIDE OR LESS WITHIN 2 FEET OF THE CURB, PATCHES SHALL EXTEND A MINIMUM OF 4 FEET FROM TOP OF GUTTER AND PAVEMENT SHALL BE REMOVED TO CURB AND GUTTER. WIDTH SHALL BE SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE, ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11. SAWCUT SHALL NOT BE PLACED IN WHEEL PATH AREA.
 6. TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE AGENCY REQUIREMENTS.
 7. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING METHODS.
 8. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

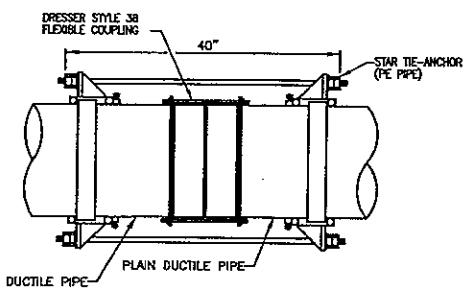
C TRENCH BACKFILL DETAIL
DT2
PUBLIC STREET
N.T.S.



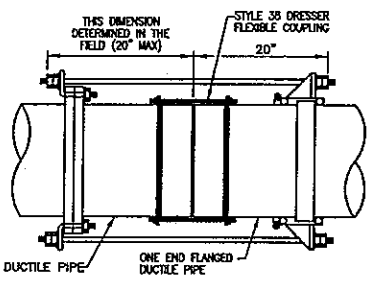
D FIRE HYDRANT ASSEMBLY DETAIL
DT2
PUBLIC STREET
N.T.S.



E CONCRETE ENCASUREMENT DETAIL
DT2
N.T.S.



F FLEXIBLE COUPLING DETAIL - A-P12
DT2
NOT TO SCALE



PIPE SIZE	TIE ROD DIA.	NO. TIE RODS REQ'D	TIE BOLT DIA.
8"	1/2"	2	1/2"
10"	1/2"	4	1/2"
12"	1/2"	4	1/2"
14"	1"	4	1"
16"	1"	4	1"
18"	1"	6	1"
24"	1"	10	1"
36"	1"	20	1"

- NOTES:
1. PROVIDE TIE RODS WHERE FLEXIBLE COUPLING RESTRAINTS ARE SPECIFIED AND AT ALL OTHER LOCATIONS INDICATED ON THE DRAWINGS.
 2. ORIENT AND SPACE TIE RODS AS REQUIRED TO EVENLY DISTRIBUTE PIPE PRESSURE.

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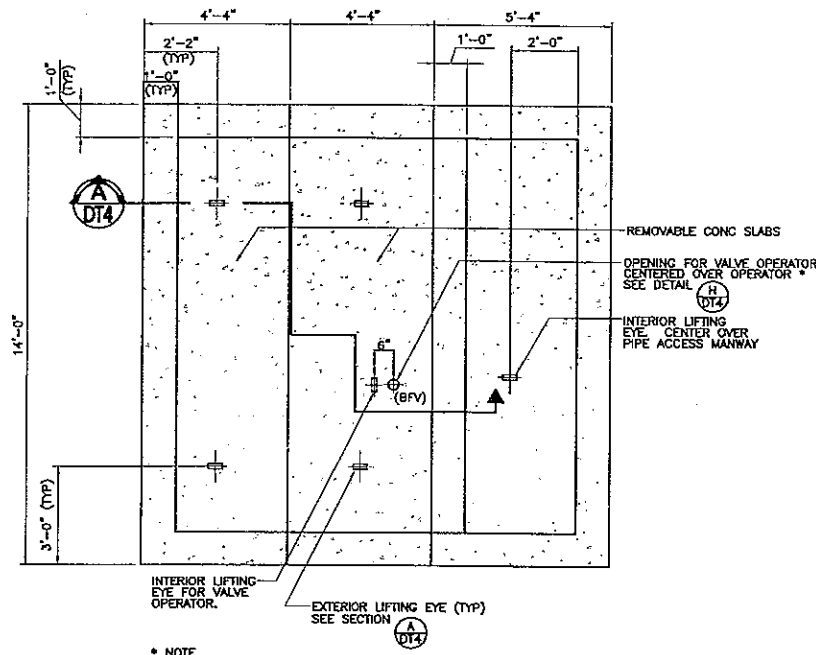
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(702) 369-9386 Fax (702) 369-9793
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GOLDEN VALLEY RANCH
AZTEC ROAD SECTION 1 IMPROVEMENTS
DETAIL SHEET

MOHAVE COUNTY ARIZONA

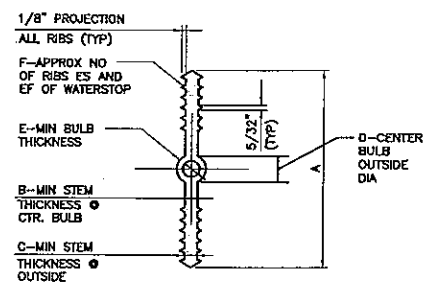
SHEET
DT-1
14 OF 18 SHEETS
SCI PROJECT#
18449.03.03

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* NOTE
ACTUAL LOCATION OF ROOF OPENING FOR VALVE BOX AND ACTUATOR EXTENSION SHALL BE DETERMINED BY CONTRACTOR, AS A FUNCTION OF THE DIMENSIONS AND CONFIGURATION OF THE ACTUAL EQUIPMENT USED ON THE PROJECT. CONTRACTOR SHALL SUBMIT SCALED SHOP DRAWING PRIOR TO POURING CONCRETE VAULT TOP SLAB.

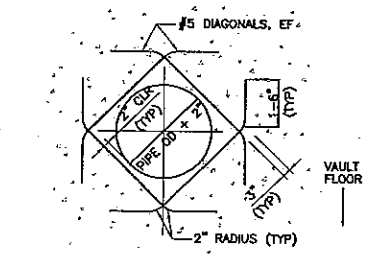
VALVE VAULT ROOF PLAN
NOT TO SCALE PLO3-2 011201 DT4



SIZE	A	B	C	D	E	F
6"x3/8"	6"	3/8"	3/8"	7/8"	1/4"	6"

- NOTES
1. MATERIAL QUALITY PER SPECIFICATIONS.
 2. DIMENSION REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING ORDERS.
 3. NON-ROUND CENTER BULBS SHALL HAVE A MIN OUTSIDE DIMENSION OF "D".

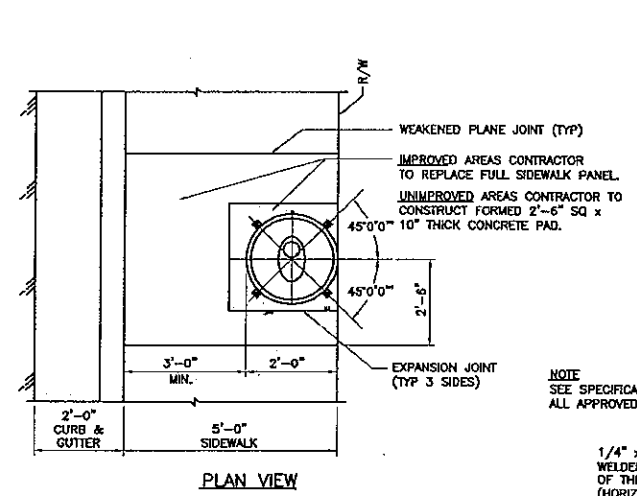
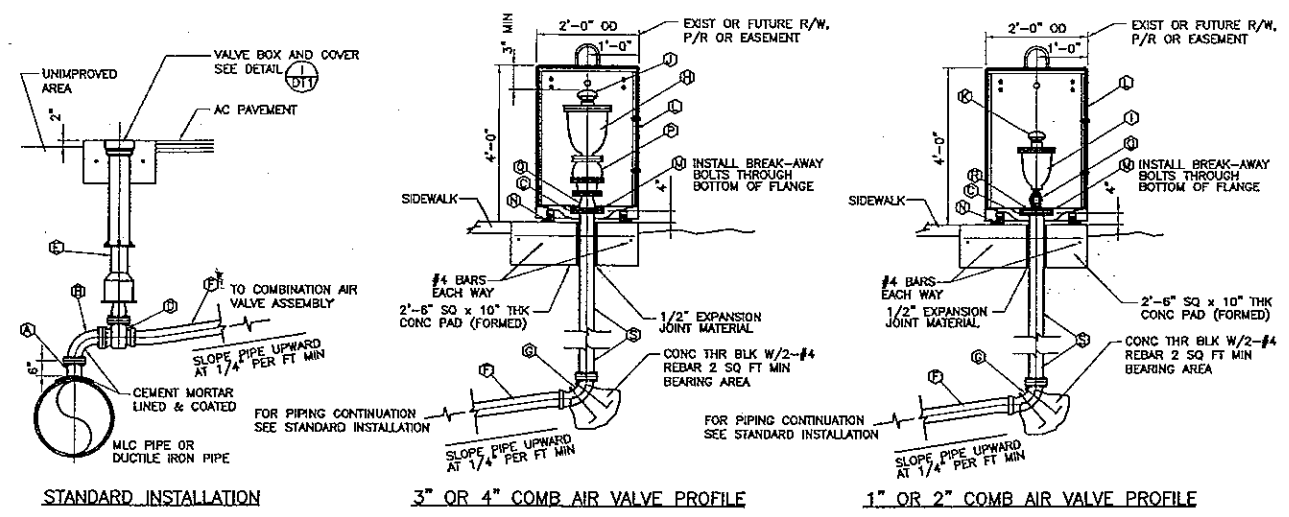
WATERSTOP DETAIL
NOT TO SCALE PLO3-3 121059 DT3



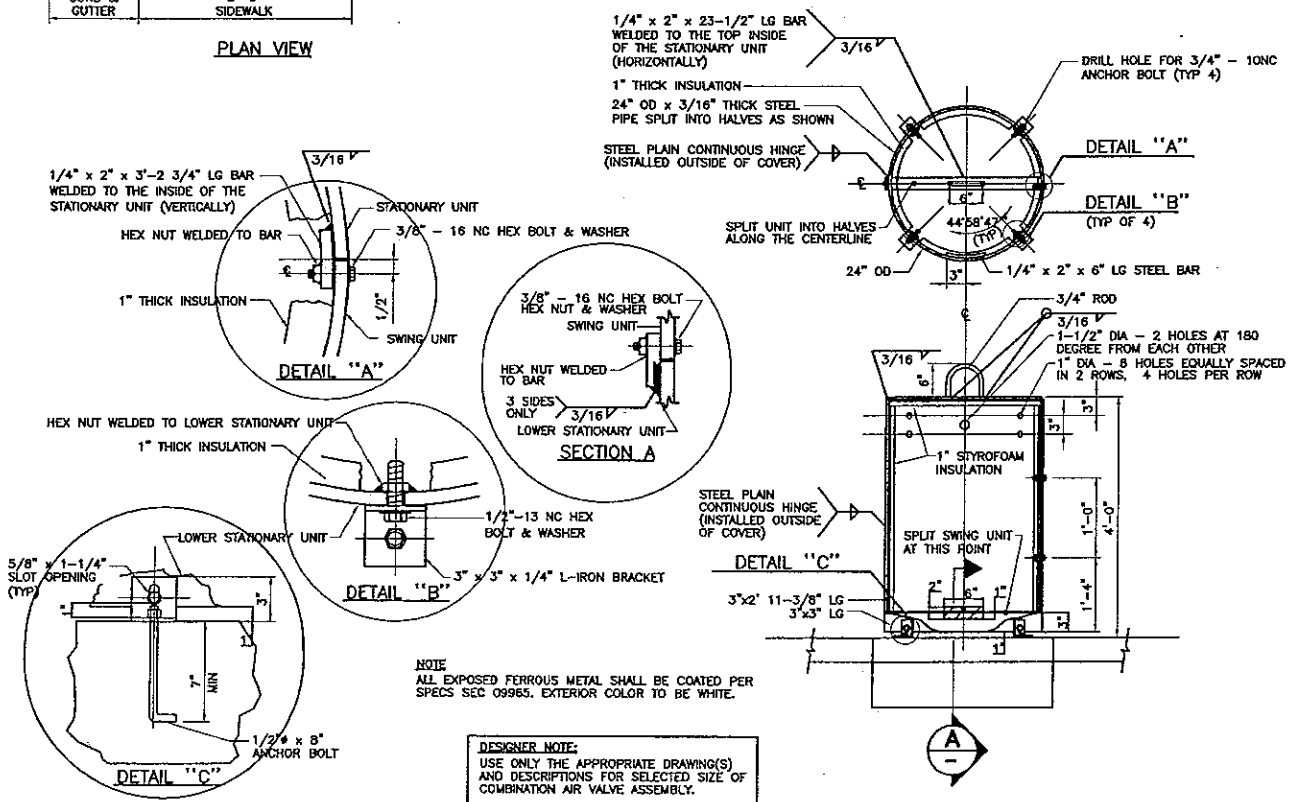
WALL OPENING - DIAGONAL REINFORCEMENT DETAIL
NOT TO SCALE PLO3-4 022801 DT3

- NOTES
1. CONCRETE FOR VAULT STRUCTURES SHALL BE 4000 PSI, UNLESS OTHERWISE SPECIFIED.
 2. PIPE OUTLET SHALL BE SHAPED TO FIT THE SPECIFIED PIPE DIAMETER.
 3. MAINTAIN A MIN CLEARANCE OF 2" OF COVER FOR REINFORCED STEEL, UNLESS OTHERWISE SPECIFIED.
 4. BACKFILL LIMITS OF VAULT EXCAVATION (INCLUDING BELOW VAULT FLOOR) WITH TYPE II AGGREGATE BASE, COMPACT TO 90% OF MAX DENSITY, UNLESS OTHERWISE SPECIFIED.

DETAIL NOTES
NOT TO SCALE PLO3-7 022801 DT3



- LEGEND
- ① 4" FLG STL OUTLET FOR MLC STUPIPE, FLG TEE FOR DIP
 - ② 4"- 90° FLG DUCTILE IRON BEND
 - ③ 4" DUCTILE IRON FLANGE ADAPTOR
 - ④ 4" FLG x PO OR FLG x MJ GATE VALVE W/2" OPERATING NUT
 - ⑤ VALVE BOX AND COVER - SEE DETAIL DT4
 - ⑥ 4" DUCTILE IRON PC350 PIPE OR 4" PVC CL150 DR18 PIPE
 - ⑦ 4"- 90° FLG x PO OR FLG x MJ CI BEND
 - ⑧ 3" OR 4" COMBINATION AIR VALVE, FLANGED INLET
 - ⑨ 1" OR 2" COMBINATION AIR VALVE, THREADED INLET
 - ⑩ 3" OR 4" MUSHROOM VENT CAP
 - ⑪ 1" OR 2" MUSHROOM VENT CAP
 - ⑫ 2'-0" O.D. x 4'-0" HIGH STEEL COVER
 - ⑬ 5/8"-11NC BREAK-AWAY ZINC PLATED HEX HD BOLT, HEX NUT AND LOCKWASHER
 - ⑭ 1/2"x 8" ANCHOR BOLT
 - ⑮ 1" OR 2" CORP STOP, THREADED BOTH ENDS
 - ⑯ 3" OR 4" BALL VALVE - QUARTER TURN - FOR 3" OR 4" COMB AIR VALVE ASSY
 - ⑰ 4" x 3" FLG DUCTILE IRON REDUCER - FOR 3" COMB AIR VALVE ASSY
 - ⑱ 4" x 2" OR 4" x 1" THREADED STL REDUCING FLANGE
 - ⑲ 4" DUCTILE IRON PC350 PIPE
- NOTE
SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS



NOTE
ALL EXPOSED FERROUS METAL SHALL BE COATED PER SPECS SEC 09963, EXTERIOR COLOR TO BE WHITE.

DESIGNER NOTE:
USE ONLY THE APPROPRIATE DRAWING(S) AND DESCRIPTIONS FOR SELECTED SIZE OF COMBINATION AIR VALVE ASSEMBLY.

COMBINATION AIR VALVE ASSEMBLY FOR 1, 2, 3, AND 4" VALVES
NOT TO SCALE PLO3-1 021401 DT3

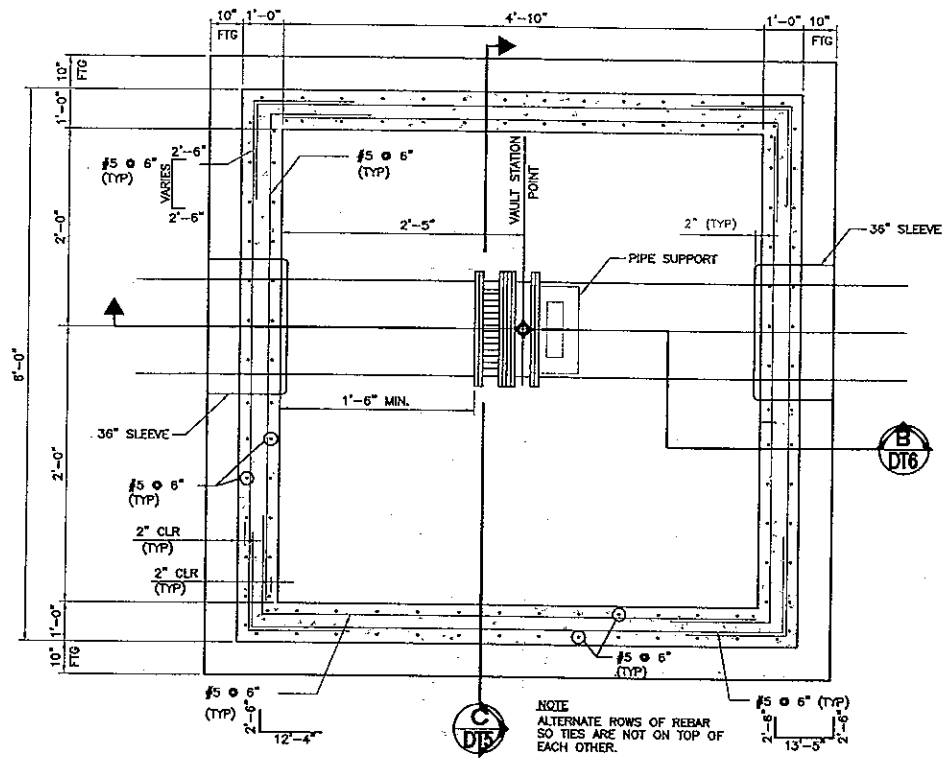
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Las Vegas, Nevada 89119
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DETAIL SHEET
MOHAVE COUNTY
ARIZONA

SHEET
DT-2
15 OF 18 SHEETS
SCI PROJECT#
18449.03.03

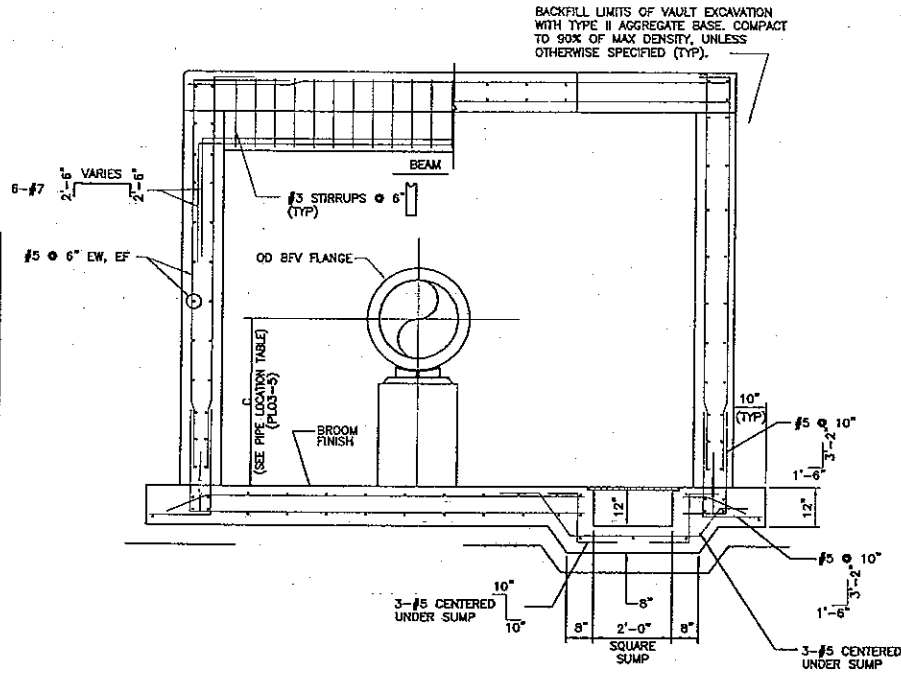
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VALVE VAULT SECTIONAL PLAN
WITH (1) VALVE AND NO TEE
NOT TO SCALE

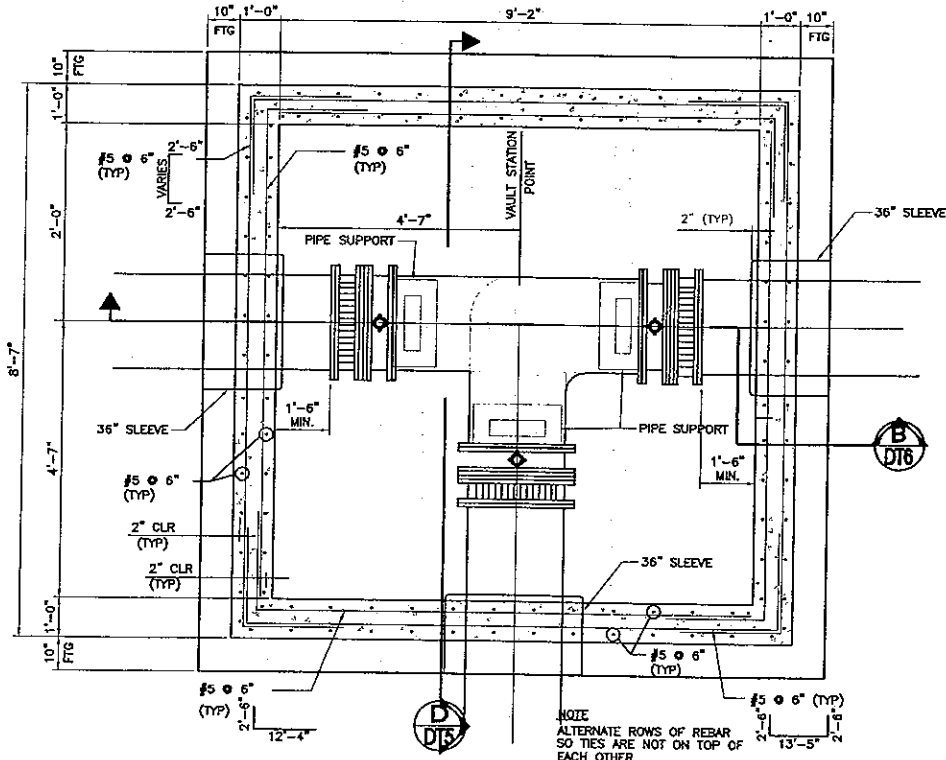
A
DT5

DESIGNER NOTES:
1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAILED WITH A STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT PLANS SHALL INDICATE THE PIPE LINE STATION REFERENCED TO THE VAULT STATIONING POINT, THE VAULT ORIENTATION TO NORTH, THE LOCATION AND PLAN ORIENTATION OF ALL OF THE VAULT APPURTENANCES AND THE MANHOLE ACCESS COVER.
2. EACH VAULT PLAN, SECTIONS AND DETAILS SHALL INDICATE ALL LAYOUT DIMENSIONS AS DETERMINED BY THE DESIGN ENGINEER OR AS REFERENCED TO DIMENSIONS ON THE "VAULT DIMENSION TABLE" PLD3-6 AND THE "PIPE LOCATION TABLE" PLD3-5 IN THESE STANDARD DETAILS.
(DESIGNER NOTES TO BE DELETED FROM DRAWING)



VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE

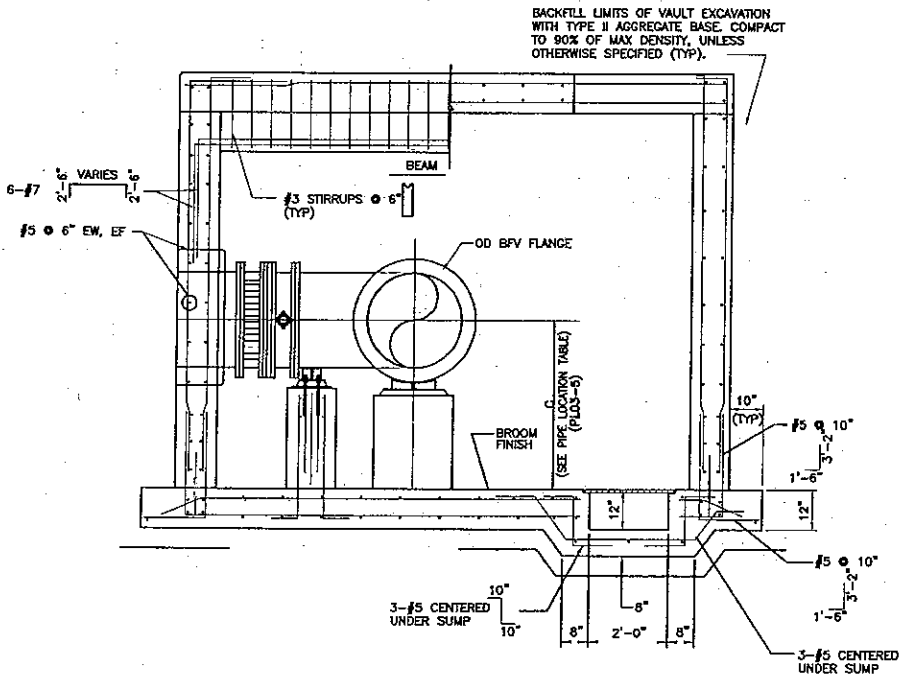
C
DT5



VALVE VAULT SECTIONAL PLAN
WITH (3) VALVE AND TEE
NOT TO SCALE

B
DT5

DESIGNER NOTES:
1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAILED WITH A STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT PLANS SHALL INDICATE THE PIPE LINE STATION REFERENCED TO THE VAULT STATIONING POINT, THE VAULT ORIENTATION TO NORTH, THE LOCATION AND PLAN ORIENTATION OF ALL OF THE VAULT APPURTENANCES AND THE MANHOLE ACCESS COVER.
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(DESIGNER NOTES TO BE DELETED FROM DRAWING)



VALVE VAULT SECTION
WITH (3) VALVE AND TEE
NOT TO SCALE

D
DT5



DATE	BY	CHK	APP
3/31/06	MPB		
3/31/06	ENG		
3/31/06	N.T.S.		
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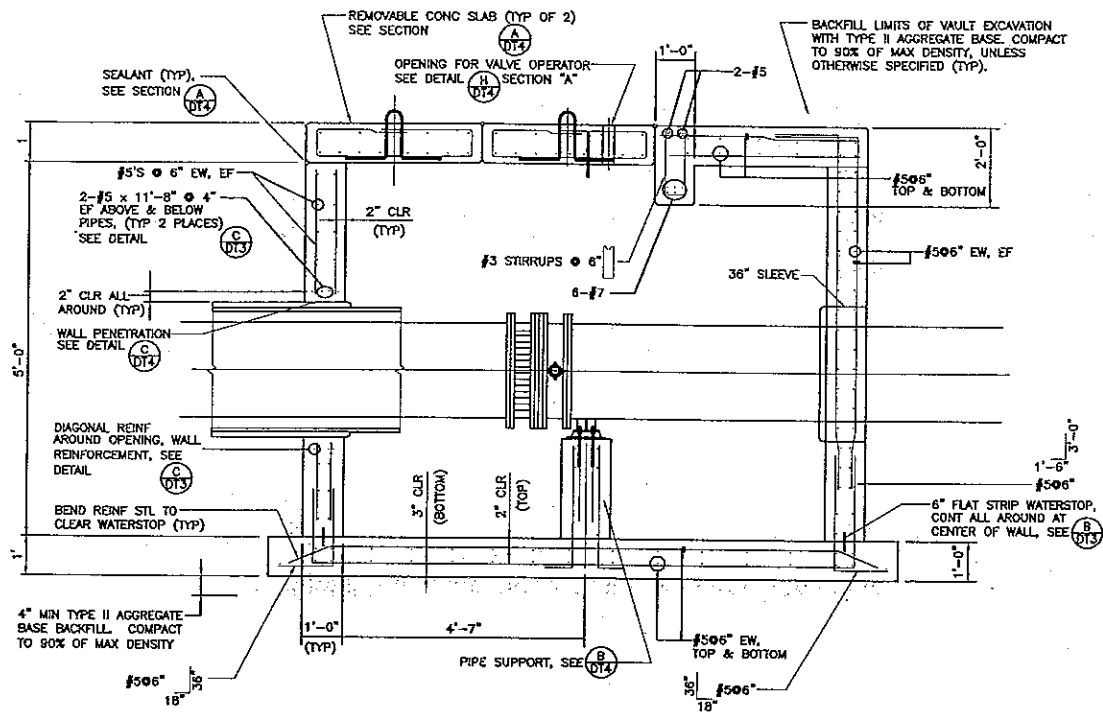
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DATE 3/31/06

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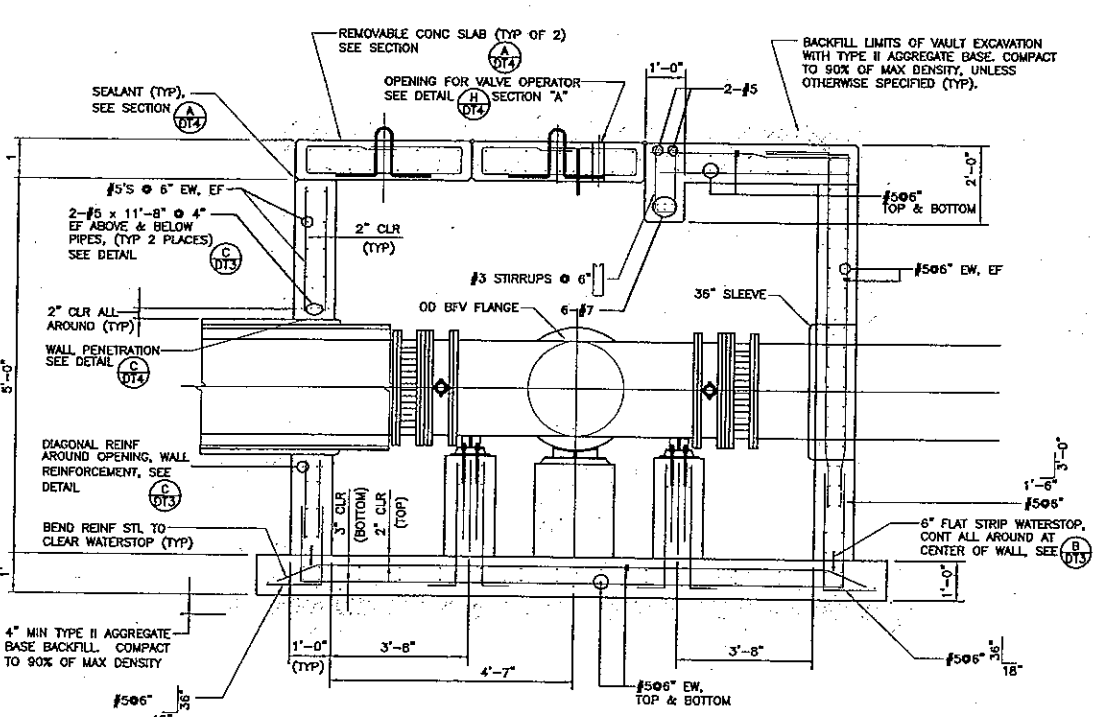


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AZTEC ROAD SECTION 1 IMPROVEMENTS
DETAIL 8-SHEET
MOHAVE COUNTY ARIZONA

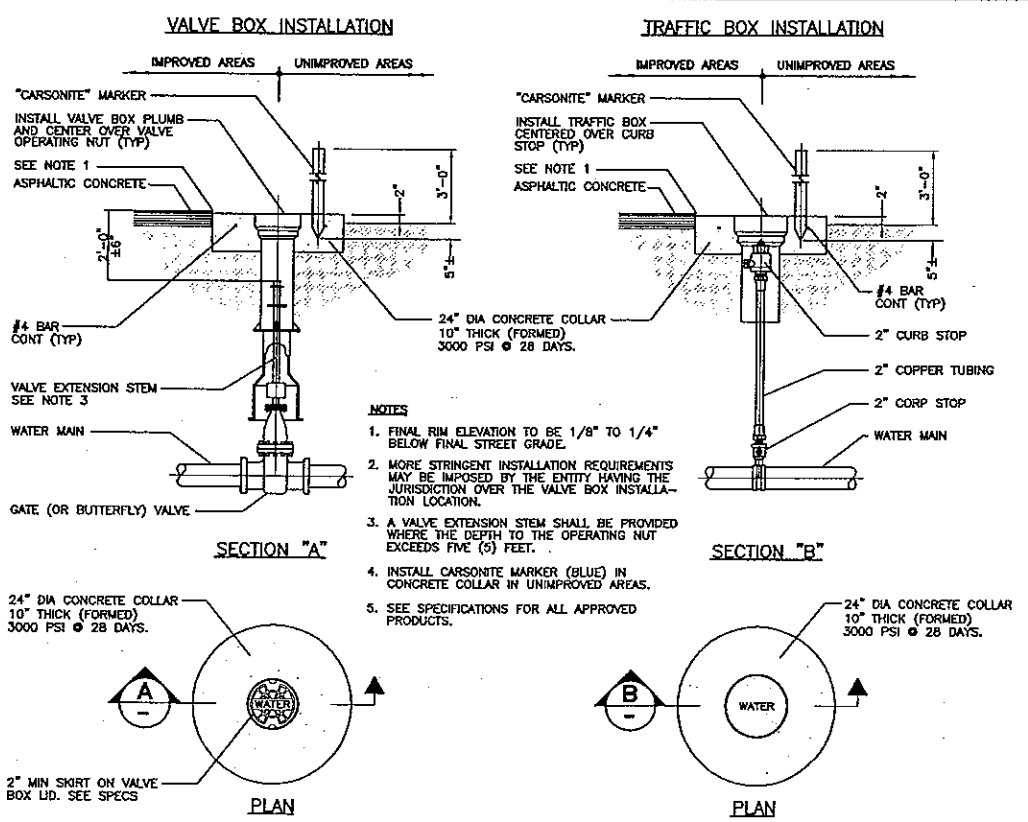
SHEET
DT-4
17 OF 18 SHEETS
SCI PROJECT#
18449.03.03



VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE



VALVE VAULT SECTION
WITH (3) VALVE AND TEE
NOT TO SCALE



VALVE BOX AND TRAFFIC BOX INSTALLATION
NOT TO SCALE



DATE	BY	CHKD BY	APP'D BY
3/31/06	MPB		
3/31/06	ENG		
3/31/06	N.T.S.		
3/31/06	H.N.T.S.		

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DETAIL SHEET
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